

- d. Meter 532871 was purchased August 13, 1996, tested prior to installation on October 5, 1996, and installed at 6104 Orion Road on January 15, 1997. When the meter was tested prior to installation, the “as left” average was -0.400, Open proof was -.300, and Check proof was -.500. This type of meter has had very favorable test results, as observed during the 2004 sample meter program. A copy of the Meter Subsystem – Production report is attached.

	Control Group-Installed Year											
	1990	1991	1992	1993	1994	1995	1996	1998	2000	2002		
American AL425 425 CFH Code: 016												
Sample Plan	Single	Reduced	Reduced	Reduced	Reduced	Reduced	Reduced	Reduced	Reduced	Reduced	Reduced	Reduced
Sample Size	8*	32	32	32	32	32	32	32	32	32	32	32
Original Population	28*	50	61	128	204	348	745	802	605	476		
# of Slow Failures	0	0	0	0	0	2	0	1	0	0		
# of Fast Failures	0	0	0	0	1	0	0	0	0	0		
Total Failures:	0	0	0	0	1	2	0	1	0	0		
Accept Level	1	5	5	5	5	5	5	5	5	5		
Reject Level	2	8	8	8	8	8	8	8	8	8		
Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass		
If Failed - Remove By:	Exhausted	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Statistical Data:												
Mean (Average Proof)	-0.2875	0.154688	-0.164063	0.325	0.25625	-0.09375	-0.373438	-0.042188	0.220313	-0.085938		
Median	-0.375	0.175	-0.075	0.4	0.2	0	-0.45	0	0.225	-0.1		
Standard Deviation	0.645728	0.515464	0.621683	0.576698	0.702386	0.980187	0.475358	0.9509	0.430277	0.324593		
Sample Variance	0.416964	0.265703	0.386489	0.332581	0.493347	0.960766	0.225965	0.904211	0.185139	0.10536		
Skewness	1.184992	0.142081	-0.658832	0.303141	2.950725	-1.933543	1.231231	-0.505169	-0.828486	0.19971		
Minimum	-1.15	-0.95	-1.6	-0.95	-0.65	-3.75	-1.15	-2.65	-0.9	-0.7		
Maximum	1.05	1.35	1	1.7	3.4	1.65	1.3	1.85	0.9	0.6		
Count	8	32	32	32	32	32	32	32	32	32		
Confidence Level(95.0%)	0.539841	0.185845	0.224141	0.207922	0.253237	0.353395	0.171385	0.342836	0.155132	0.117028		

* Population less than required 32 minimum sample size - all meters to be changed - Single Sampling Plan For Normal Inspection used to obtain sample size to determine if control passed or failed.

Year 2004

Meter Code 015 American AL 425

Code & Year: 1990	
Data Range	Number
LT -3.6	0
-3.6 to -2.8	0
-2.8 to -.2	0
-.2 to -1.2	0
-1.2 to -.4	8
-.4 to .4	16
.4 to 1.2	4
1.2 to 2.0	0
2.0 to 2.8	0
2.8 to 3.6	0
GT 3.6	0
Total	28

Code & Year: 1991	
Data Range	Number
LT -3.6	0
-3.6 to -2.8	0
-2.8 to -.2	0
-.2 to -1.2	0
-1.2 to -.4	3
-.4 to .4	21
.4 to 1.2	7
1.2 to 2.0	1
2.0 to 2.8	0
2.8 to 3.6	0
GT 3.6	0
Total	32

Code & Year: 1992	
Data Range	Number
LT -3.6	0
-3.6 to -2.8	0
-2.8 to -.2	0
-.2 to -1.2	3
-1.2 to -.4	5
-.4 to .4	19
.4 to 1.2	5
1.2 to 2.0	0
2.0 to 2.8	0
2.8 to 3.6	0
GT 3.6	0
Total	32

Code & Year: 1993	
Data Range	Number
LT -3.6	0
-3.6 to -2.8	0
-2.8 to -.2	0
-.2 to -1.2	0
-1.2 to -.4	3
-.4 to .4	16
.4 to 1.2	11
1.2 to 2.0	2
2.0 to 2.8	0
2.8 to 3.6	0
GT 3.6	0
Total	32

Code & Year: 1994	
Data Range	Number
LT -3.6	0
-3.6 to -2.8	0
-2.8 to -.2	0
-.2 to -1.2	0
-1.2 to -.4	3
-.4 to .4	23
.4 to 1.2	5
1.2 to 2.0	0
2.0 to 2.8	0
2.8 to 3.6	1
GT 3.6	0
Total	32

Code & Year: 1995	
Data Range	Number
LT -3.6	1
-3.6 to -2.8	0
-2.8 to -.2	1
-.2 to -1.2	0
-1.2 to -.4	6
-.4 to .4	14
.4 to 1.2	9
1.2 to 2.0	1
2.0 to 2.8	0
2.8 to 3.6	0
GT 3.6	0
Total	32

Code & Year: 1996	
Data Range	Number
LT -3.6	0
-3.6 to -2.8	0
-2.8 to -.2	0
-.2 to -1.2	0
-1.2 to -.4	17
-.4 to .4	14
.4 to 1.2	0
1.2 to 2.0	1
2.0 to 2.8	0
2.8 to 3.6	0
GT 3.6	0
Total	32

Code & Year: 1998	
Data Range	Number
LT -3.6	0
-3.6 to -2.8	0
-2.8 to -.2	1
-.2 to -1.2	2
-1.2 to -.4	5
-.4 to .4	15
.4 to 1.2	6
1.2 to 2.0	3
2.0 to 2.8	0
2.8 to 3.6	0
GT 3.6	0
Total	32

Code & Year: 2000	
Data Range	Number
LT -3.6	0
-3.6 to -2.8	0
-2.8 to -.2	0
-.2 to -1.2	0
-1.2 to -.4	2
-.4 to .4	19
.4 to 1.2	11
1.2 to 2.0	0
2.0 to 2.8	0
2.8 to 3.6	0
GT 3.6	0
Total	32

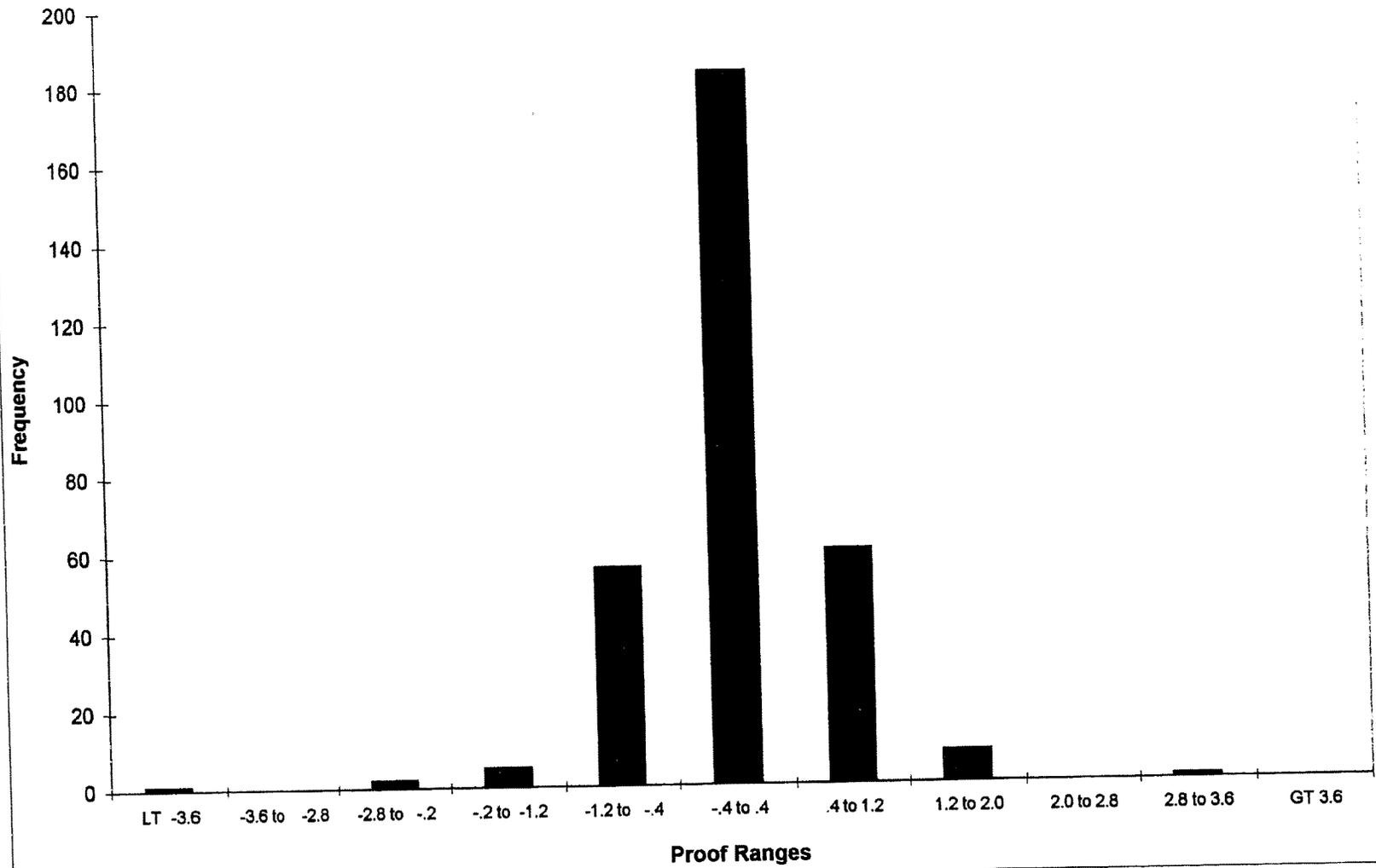
Code & Year: 2002	
Data Range	Number
LT -3.6	0
-3.6 to -2.8	0
-2.8 to -.2	0
-.2 to -1.2	0
-1.2 to -.4	4
-.4 to .4	26
.4 to 1.2	2
1.2 to 2.0	0
2.0 to 2.8	0
2.8 to 3.6	0
GT 3.6	0
Total	32

Meter Code 015 American AL 425

Year 2004

Code & Year:	Totals
Data Range	Number
LT -3.6	1
-3.6 to -2.8	0
-2.8 to -.2	2
-.2 to -1.2	5
-1.2 to -.4	56
-.4 to .4	183
.4 to 1.2	60
1.2 to 2.0	8
2.0 to 2.8	0
2.8 to 3.6	1
GT 3.6	0
Total	316

American AL425 Distribution Profile - 015
(1990, 1991, 1992, 1993, 1994, 1995, 1996, 1998, 2000, 2002)



LOUISVILLE GAS AND ELECTRIC COMPANY

CASE NO. 2005-00398

Response to First Data Request of Commission Staff Dated 11/2/05

Question No. 3

Responding Witness: Butch Cockerill

- Q-3. Complainant alleged that the meter “jumped” upon rollover from 9999 to 1000 when it should have “re-set” to 0000. In Item 3(b) of LG&E’s answer, LG&E states that upon obtaining access to the meter on February 15, 2005, it recorded the numbers on the gas meter as “9795.” LG&E further states it believes the meter reader did not accurately read the gas meter at that time. LG&E’s First Affirmative Defense, paragraph 2, states, “but subsequent readings have lead [sic] LG&E to conclude that the meter was under-read at that time. LG&E believes that Mr. Espinosa’s gas meter was accurately read on March 16, 2005, as ‘1151.’” Explain how LG&E reached this conclusion? If your answer references any reports of the meter reader or others, provide a copy of that report.
- A-3. The below information reflects sixteen months of history of the gas readings and consumption for the property located at 6104 Orion Road, and includes the codes that were entered by the meter reader. RR = regular read; E2 = estimated read; 05 = gate locked; MT = moisture in glass; C = Itron beeped to confirm and reenter read, meaning that the meter reader had to read meter again. The meter condition codes were changed on April 1, 2005. As a result, when the reader entered GP on February 15, 2005, the code meant glass obstructed. Today, however, it means glass painted.

Mr. Enrique Espinosa

Read Date	Reading	Code	Consumption
10/12/2005	1310	RR	5
9/13/2005	1305	MT	7
8/12/2005	1298	RR	7
7/14/2005	1291	RR	8
6/14/2005	1283	RR	8
5/13/2005	1275	RR	14
4/15/2005	1261	RR	109
3/16/2005	1152	C	1357
2/15/2005	9795	GP	97
1/17/2005	9698	E2	133
12/14/2004	9565	E2	82
11/12/2004	9483	E2	36
10/14/02004	9447	E2	20
9/15/2004	9427	E2	17
8/16/2004	9410	E2	18
7/16/2004	9392	RR	24

Please see response to PSC 1(a) and (b).

Following the February, 2005, reading, the meter reader reported a problem with the meter glass, which the Company believes resulted in a low reading. Due to the Company's inability to access the meter from August, 2004 through January, 2005, and the believed inaccurate reading on February 15, 2005, LG&E believes that the reading of March 16, 2005 was the first accurate reading since July 16, 2004. As a result, LG&E believes that it is likely that 1357 ccf's were not actually consumed during the period from February 16, 2005 through March 16, 2005, but rather that this amount was recorded following six months of estimates and one inaccurate reading. Readings on March 31, 2005 and April 15, 2005, as "1248" and "1261" respectively, support the accuracy of the March 16, 2005 reading.

LOUISVILLE GAS AND ELECTRIC COMPANY

CASE NO. 2005-00398

Response to First Data Request of Commission Staff Dated 11/2/05

Question No. 4

Responding Witness: Butch Cockerill

- Q-4. Item 3(d) of LG&E's answer affirmatively states that the meter glass was reported by the technician as "painted," however, it is possible that the "paint" may have resulted from moisture under the meter glass.
- a. Is there a difference between a "meter reader" and a "technician"? If yes, explain.
 - b. Does LG&E hire and train its own meter readers or does it contract this service from an outside vendor? Explain the response.
 - c. Does LG&E require any kind of certification, education, or qualification of its meter readers? Explain the response.
- A-4. Item 3(d) of LG&E's answer inadvertently stated that the meter glass was reported by the technician as "painted." In fact, it was a meter reader who reported the problem.
- a. Meter Readers read meters, while Meter and Field Technicians may install, repair and, if certified, test meters.
 - b. Meter reading for LG&E is contracted through an outside vendor, Accu-Read Services Inc. Accu-Read Services Inc. is a division of Unibar Global LLC., whose corporate office is located in Ann Arbor MI. Accu-Read's local management is responsible for the hiring and training of all meter readers.
 - c. Meter reading applicants for Accu-Read Services must have a high school diploma, or GED equivalency. Applicants must also pass a pre-employment drug screen and background check, including driving record. Applicants must complete MeterPro certification training prior to being hired, and must complete and pass Gas Operator Qualification testing before performing field work on their own. Meter readers go through a two week field training period before they begin reading meters on their own. Attached is a copy of the training documents used by Accu-Read for the training of its meter readers who work on the LG&E account.

Meter Reader Training

Casual Labor Day

- Prospective employee accompanies an experienced Meter Reader on an average daily route. If prospective employee decides to pursue permanent employment upon completion of casual labor walk, prospective employee is sent for drug screen and background check is started.

Upon successful completion of drug screen and background check, employee is hired pending successful completion of MeterPro training.

Day 1&2 – MeterPro training

- After viewing MeterPro training video, prospective employee must read 500 meters without a mistake within a two day/16 hour time period on MeterPro.
- Prospective employee is officially hired upon successful completion of MeterPro.

Day 3 - In-Field training with Lead Reader, half route

- Training on general procedures.
- Itron training.

Day 4 thru Day 12 – In-Field training with Lead Reader, full route

- In-field training on all job functions, see trainer checklist
- Employee will gradually progress to the point where they can complete a full route under the supervision of a lead reader.

Day 13 – Classroom training

- Itron training with Contract Manager.
- Complete Safety Passport Program.
- Gas Operator Qualification training and testing. **Employee must pass Operator Qualification test before reading routes on their own.**

Day 14 – Scheduled for half route

- Lead reader will check on reader periodically throughout the day.

Day 15 and beyond – Scheduled for full route

- Lead reader will complete field evaluation and provide additional training as needed.

TRAINER CHECKLIST

Before Leaving Office:

1. Location of schedules, handhelds, keys, sendbacks, demand seals, read cards, maps, and paper route books.
2. Itron sign on.
3. Searching all sendbacks before leaving.
4. How to split and tag keys when reading more than 1 route.
5. How to find the starting and ending point of each route.
6. How to determine what type of route you have, and the differences.
 - Drive routes - explain vehicle log and use of gas card
 - Read aheads - explain not to enter no reads, and show where keys and sendbacks for the read aheads are located.
7. How to determine if you have more than 1 route

Field training:

- Check all meter numbers
- How to enter a changed meter (always search old meter # before changing it in the handheld)
- How to enter a new service
- How to search for meters (tracing lines, etc.)
- Demand meter training (how to properly read and reset)
- Speedreaders
- Gas pressure/pipe meters
- 5, 6, & 7 dial gas meters (always start on the 1,000 dial)
- Entering/Accepting customer readings (kick outs, Est. 95)
- Keys (using, accepting, and returning in handheld)
- Hints on determining reasons for meters that Kick Out
- Electric meter seals and what they mean (Gray, Yellow, & Red)
- Reporting of damaged meters/meter condition
- Proper reporting of gas leaks (call gas trouble & report in handheld)
- District 25 meters – not allowed to estimate for any reason, MUST be written up if missed for any reason.
- Special ledger cards (non billing meters)

Itron training:

- Resequencing (One account and multiple accounts)

- Go over proper No-Reads reasons for each meter missed (Need key reason for any meter missed with key, not absent)
- Adding special instructions
- How to pull up entire special instruction notes
- How to properly enter read code reason when meter kicks out
- How to search meters by address, meter numbers, etc.
- How to change meter locations
- How to report meter conditions
- How to clear an improper read and enter correct reading
- How to pull up previous months usage
- Use of status key to determine where you are in a route
- Rate codes
- Proper care of Itron (not to be used as a door knocker)

On Return to Office:

- Proper way to answer and fill out sendbacks
- Return keys
- Fill out time sheet
- Proper way to write up any cant locates or District 25 meters unable to read.
- Follow check out policy, see supervisor



**Meter Reader
Training Program Curriculum Summary**

*Note: This Program is conducted after Accu-Read Services
New Hire Orientation through Human Resources is completed.*

- 1. Training Program Introduction/Training Processes Outline© (Classroom)**
 - 1.1 Introduction and Welcome- About ACCU-READ
 - About our Customer/Service Areas
 - 1.2 Meter Reader Training Program Overview
 - 1.3 Training Materials Checklist
 - 1.4 Training Process Flowchart
 - 1.5 ACCU-READ Quality Management System
 - 1.5.1 ISO 9001-2000
 - 1.5.2 Quality Policy (Handout)
 - 1.5.3 Environmental Policy (Handout)
 - 1.6 Meter Reader Position Description/Requirements
 - 1.7 Dial Meter Relationships
 - 1.8 Key Performance Measurables
 - 1.9 Energy Measurement (Handout)
 - 1.9.1 Electric
 - 1.9.1.1 Kilowatt Hours
 - 1.9.1.2 Demand
 - 1.9.2 Gas
 - 1.9.2.1 Cubic Feet
 - 1.9.2.2 Delivery Pressure
 - 1.10 Meter Type Identification (Handouts)
 - 1.10.1 Electric
 - 1.10.1.1 Thermal (Dials) Meter
 - 1.10.1.2 Digital (Electric) Meters
 - 1.10.1.3 Demand Scale Meters
 - 1.10.1.3.1 Self Contained Demand Meter (Detached)
 - 1.10.1.3.2 Attached Demand Meter
 - 1.10.1.4 Time of Day/Time of Use Meters
 - 1.10.1.5 Multi-functional Electronic Meters (MEM)
 - 1.10.2 Gas
 - 1.10.2.1 Gas Consumption
 - 1.10.2.2 Gas Digital
 - 1.11 Electric Utility Terms/Identification (Handout)
 - 1.12 Gas Utility Terms/Identification (Handout)
 - 1.13 Locating Meter Equipment
- 2. Meter Pro™ Training (Licensed) (Classroom)**
 - 2.1 Meter Pro™ Instructional Video
 - 2.1.1 "How To Read A Meter"
 - 2.2 Using the Meter Pro™ Training Computer Equipment
 - 2.2.1 Dial Meters
 - 2.2.1.1 Level One Training
 - 2.2.1.2 Level Two Training
 - 2.2.1.3 Level Three Training
 - 2.2.2 Demand Scale Meters

- 2.2.2.1 Level One Training
- 2.2.2.2 Level Two Training
- 2.2.2.3 Level Three Training
- 2.2.3 Digital/Time of Use (TOU) Meters
- 2.2.4 Remote Meters
- 2.3 Practice Drills – For Speed and Accuracy
- 2.4 Practice (0-9) – Emphasis on Difficult 0 and 9 Combinations
- 2.5 Performance Testing – To ensure proficiency at each level. Standard: 500 dial meters consecutively without error and 80 demand scale consecutively without error.
- 3. **ACCU-READ Meter Reader Procedures/Practices Training© (Classroom)**
 - 3.1 Route Preparation
 - 3.1.1 Maps
 - 3.2 Tools and Supplies
 - 3.3 Route Documentation
 - 3.3.1 Daily Work Report
 - 3.4 Identification
 - 3.4.1 ACCU-READ Photo Badge
 - 3.4.2 Customer Provided Identification Badge
 - 3.5 Uniforms
 - 3.6 Personal Appearance
 - 3.7 Customer Keys
 - 3.8 Customer Property
 - 3.9 Energy Theft
 - 3.9.1 Electric
 - 3.9.2 Gas
 - 3.9.3 Reporting Procedures
 - 3.10 “Service Ambassador” Topics©
 - 3.10.1 Customer Relations
 - 3.10.2 Customer Contacts
 - 3.11 **Enter-Pro™ Training (Licensed) (Segment to be added in March 2004) – Interactive computer based program for proper usage of Handheld Computers and Keys.**
- 4. **ACCU-READ Safety Program© (Classroom)**
 - 4.1 Safety Program – Management Prospectives
 - 4.1.1 Introduction
 - 4.1.2 Approach
 - 4.1.3 Corporate Safety Organization
 - 4.1.4 Safety Program Organization Chart
 - 4.1.5 Commitment
 - 4.2 Corporate Safety Policy(s)
 - 4.2.1 Policy Statement
 - 4.2.2 General Safety Rules
 - 4.2.3 Personal Safety/Security
 - 4.2.4 General and Recommendation
 - 4.2.5 Motor Vehicle Policy
 - 4.2.6 Fleet Safety Policy
 - 4.2.7 Motor Vehicle Accidents Policy
 - 4.2.8 Safety Education/Training Policy
 - 4.2.9 Payment for Training Policy
 - 4.2.10 On the Job Injuries Policy
 - 4.2.11 Care of Company/Customer/Homeowner Property Policy
 - 4.2.12 Return of Company/Customer
 - 4.2.13 Property Policy
 - 4.2.14 Personal Property Policy
 - 4.3 ACCU-READ Safety Committee
 - 4.3.1 Safety Committee Overview
 - 4.3.2 Safety Committee Activities

- 4.4 Safety Education and Awareness Program
 - 4.4.1 Mandated Safety Training
 - 4.4.2 Monthly Safety Meetings
 - 4.4.3 Safety Hazard Reporting
- 4.5 Safety Meetings
 - 4.5.1 Manager/Supervisor Safety Meetings
 - 4.5.2 Jobsite Safety Meetings
- 4.6 Accident Reporting & Investigation System
 - 4.6.1 Accident Reporting Procedure
 - 4.6.2 Accident Investigation Procedure
- 4.7 Safety Incentives and Awards Program
 - 4.7.1 B-Safe Bingo Program
 - 4.7.2 Safety Slogans/Poster Contests
 - 4.7.3 Safety Longevity Awards
 - 4.7.4 Safety Jackpot Program
- 4.8 Safety Equipment/Supplies
- 4.9 Appendix
 - 4.9.1 Safety Hazard Report
 - 4.9.2 Accident Report Form
 - 4.9.3 Accident Investigation Form
 - 4.9.4 Safety Equipment/Supply Requisition
 - 4.9.5 Monthly Safety Meeting Report
 - 4.9.6 Safety Meeting Roster
 - 4.9.7 Meter Reader-Monthly Safety Inspection Checklist
 - 4.9.8 UNIBAR/ACCU-READ Fleet Safety Policy
 - 4.9.8.1 Fleet Safety Policy
 - 4.9.8.2 Appendix A-Notice to Employees
 - 4.9.8.3 Appendix B-Our Pledge
 - 4.9.8.4 Appendix C-Fleet Hazard Notification Form
 - 4.9.8.5 Appendix D-Vehicle Inspection Checklist
- 5. Meter Reader Field Operation Training© (Field Offices)**
 - 5.1 Handheld Computer Operating Instruction
 - 5.1.1 Hotkeys
 - 5.1.2 Messages
 - 5.1.3 Selecting a Route
 - 5.1.3.1 Route Information Screen
 - 5.1.4 Reading a Meter
 - 5.1.4.1 Main Meter Display
 - 5.1.5 Checking Message and Codes
 - 5.1.5.1 Message Menu Screen
 - 5.1.5.2 Codes Menu Screen
 - 5.1.6 Locating Meter Information
 - 5.1.6.1 Locate Menu
 - 5.1.6.2 Browse Menu
 - 5.1.6.3 Bookmark Menu
 - 5.1.6.4 Add New Service
 - 5.1.7 Updating Meter Information
 - 5.1.7.1 Route Menu
 - 5.1.8 Meter Reading Pocket Guide
 - 5.2 Locating Meters
 - 5.2.1 Overhead Feed
 - 5.2.2 Underground Feed
 - 5.3 Sealing Electric Meter Enclosures
 - 5.3.1 Color Coded Seals
 - 5.3.2 Special Sealing Devices
 - 5.4 Leaving Skip Cards

- 5.5 Identify Trouble Conditions
- 6. **On-The-Job (OJT)/Field Training© (Field Manager/Mentor)**
 - 6.1 Review of Meter Reading Performance Standards
 - 6.2 Instruction on Failed Audit (Hi-Low Function) Procedures of Handheld Computer
 - 6.3 Field Instruction and Demonstration on Reading TOU Meters
 - 6.4 Field Instruction and Demonstration on Reading Demand Meters
 - 6.5 Field Instruction on Entering Meter Constants
 - 6.6 Field Instruction and Proper Recording of Skip Codes. (Issue/Review Pocket Skip Code Card)
 - 6.7 Field Instruction and How To Obtain Radio Frequency(RF) Meter Reads
 - 6.8 Field Instruction and Usage of Trouble Codes
 - 6.9 Field Instruction and Locating Non-Visible (Hard to Find) Meters
 - 6.10 Field Instruction and Usage of Special Message Section of Handheld Computer
 - 6.11 Field Instruction and Meter Number Change Process in Handheld Computer
 - 6.12 Follow-up Instructions on Completing the Daily Work Report
 - 6.13 Proper Filling Out of Payroll Timesheet
 - 6.14 Review of Meter Tamper/Theft Identification and Reporting Requirements
 - 6.15 Review and Field Demonstration of Safety Issues
 - 6.15.1 Personal Protective Equipment
 - 6.15.2 Dog Bite Prevention
 - 6.15.3 Weather Conditions
 - 6.15.4 Gates/Fences
 - 6.15.5 Driving
 - 6.15.6 Accident Reporting
 - 6.15.7 Safety Meeting
 - 6.16 Review Uniform and ID Badge Requirements
- 7. **Meter Read Final Certification Requirements©**
 - 7.1 Meter-Pro™ Testing for 500 Consecutive Dial and 80 Consecutive Demand Reads Without Error
 - 7.2 Three Days Reading of Commercial Read Routes with 100% Accuracy, Verified by Supervisor
 - 7.3 Three Days Reading of High Volume (Apartment/Residential) Routes with 100% Accuracy, Verified by Supervisor

FSO

UNIBAR Maintenance Services, Inc. Meter-Reading Operating Procedures	Procedure Number: MOP- 03-01
	Page Number: 1 of 2
TITLE: TRAINING	Revision: 2.1 Revision Date: 09/27/02

1.0 PURPOSE

This training procedure standardizes the way in which Company personnel are trained, and affords the Company the chance to analyze each position and person employed to effectively manage the needs of both the Company and its employees based upon Company goals and personnel evaluations.

2.0 RESPONSIBILITIES

Corporate Vice President has overall authority for creating position-training plans based upon Company need, goal, and strategy.

The Quality Liaison, General Managers and the Human Resources Manager are responsible for ensuring the implementation and continuation of training plans.

3.0 PROCEDURE: TRAINING

The job description lists the requirements for each position. Accordingly, only that training which will ensure the successful completion of the job is required. Training needs are analyzed based upon the education, experience, and past training of employees before being hired by the Company.

Meter-Reading training will be conducted by trained company personnel.

Training will be conducted before full-time employment. Training must be passed in order to receive Meter-Reading assignment.

Those personnel who have met the training requirements may be assigned an I.D. Badge and a meter-reading I.D Number.

Re-certification in meter reading may be conducted annually.

Records of training are kept in the employee's file or possession for those core elements of the Company's training program. Training done outside of the Company's training program will also be kept as records.

**UNCONTROLLED
DOCUMENT**

UNIBAR Maintenance Services, Inc. Meter-Reading Operating Procedures	Procedure Number: MOP- 03-01
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3.0 PROCEDURE: TRAINING cont'd

Training records may take many forms so long as training is descriptive and verifiable. In-house may include a simple sign-in sheet with a training agenda or a certificate of completion.

Training records may also be in the form of diplomas, degrees, or verifiable work experience as described on a resume or employment application.

Training is evaluated via test, quiz, demonstration or performance evaluation. Performance evaluations are done at least annually, and may reflect additional training needs.

4.0 RELATED DOCUMENTATION

- Job Descriptions
- Relevant Training Records
- Performance Evaluations

5.0 AMENDMENT HISTORY

Date	Revision No.	Revision
07/03/02	1.0	Original
09/27/02	2.0	Update to ISO-9001-2000/ISO 14001:1996

Name: Mr. J. McManus Title: Corporate Vice President	Signature:
Name: Sonjia Carpenter Title: Human Resources Manager	Signature:

UNCONTROLLED
DOCUMENT

<p style="text-align: center;">UNIBAR Maintenance Services, Inc. Meter Reading</p> <p style="text-align: center;">Meter Reading Operating Procedures</p>	<p style="text-align: center;">Procedure Number: MOP-05-01</p>
	<p style="text-align: center;">Page Number: 1 of 2</p>
<p>TITLE: NONCONFORMING PRODUCTS/SERVICES</p>	<p>Revision: 2.1 Revision Date: 05/01/03</p>

1.0 PURPOSE

The purpose of a nonconformance procedure is to structuralize the ways in which the company's products and services may affect the customers' perception of quality and the means of disposition for those nonconforming items. This procedure describes the control of nonconforming product/service in order to prevent inadvertent use.

2.0 RESPONSIBILITIES

Quality Liaison is responsible for maintaining the Nonconformance Report.

General Manager is responsible for the overall execution of this procedure.

Division Manager and Assistant Managers are responsible to the execution of this procedure at the job site.

Quality Auditor is responsible to reviewing nonconformances assigned relating to meter reading complaints.

The designated person (see 2.0 Responsibilities) will authorize and document the disposition on the Corrective and Preventive Action Report.

Records: The Quality Liaison is responsible for maintaining the Nonconformance Report.

4.0 PROCEDURE: Nonconforming Product/Service – In-process/Final

Documentation: If service/product is found to be nonconforming the product/service will be recorded on the Meter Reading Complaint/Concern Report.

Nonconformity Review & Disposition: The designated personnel (see 2.0 Responsibilities) will review the nonconformance and the designated person (see 2.0 Responsibilities) will determine the disposition as follows:

UNIBAR Maintenance Services, Inc. Meter Reading Meter Reading Operating Procedures	Procedure Number: MOP-05-01
	Page Number: 2 of 2
TITLE: NONCONFORMING PRODUCTS/SERVICES Revision: 2.1 Revision Date: 05/01/03	

Rework: The service will be re-worked to meet specified requirements and the Division Manager, Assistant Division Manager or Quality Auditor will re-inspect the service and sign off on the Meter Reader Complaint/Concern Report.

Accepted as-is: The product/service will be accepted as-is.

The designated person (see 2.0 Responsibilities) will authorize and document the disposition on the Corrective and Preventive Action Report.

Records: The Division Manager is responsible for maintaining the Meter Reading Complaint/Concern Report, and Status log for the job site.

If the nonconformance requires further action refer to SOP-05-04 Corrective and Preventive Action.

5.0 RELATED DOCUMENTATION

Nonconformance Action Report
Meter Reader Complaint/Concern Report

6.0 AMENDMENT HISTORY

Date	Revision No.	Revision
03/01/03	2.0	Original
05/01/03	2.1	Up-date

Name: Mr. J. McManus Title: Corporate Vice President	Signature:
Name: Dennis Millard Title: General Manger	Signature:

UNIBAR Maintenance Services, Inc. Meter-Reading Meter-Reading Operating Procedures	Procedure Number: MOP-03-02
	Page Number: 1 of 2
TITLE: ORIENTATION OF PERSONNEL	Revision: 2.0 Revision Date: 05/01/02

1.0 PURPOSE

This procedure standardizes the hiring and processing of new employees into the Company.

2.0 RESPONSIBILITIES

The Human Resources Manager has overall responsibility for compliance to this procedure.

The Human Resources Specialist and Employment Coordinators are responsible for compliance to this procedure.

3.0 PROCEDURE:

Casual labor walk through is preformed before job offer.

A Criminal Background check is performed through the state police department or security group before training.

A drug screen is performed before hiring.

The New employee completes all documents listed on the Employment Orientation Checklist, plus reviews the mission/quality statement and Quality Objective relevant to their role in the Quality Management System.

A confidential Employee Folder is created for the employee.

The employee is given a date that training will begin.

The employee is given a copy of the Employee Handbook and the employee is asked to read over it. The handbook is discussed and any questions that the employee may have are answered at this time.

An identification badge is created for the new employee, with picture ID, at the end of training.

UNIBAR Maintenance Services, Inc. Meter-Reading Meter-Reading Operating Procedures	Procedure Number: MOP-03-02
	Page Number: 2 of 2
TITLE: ORIENTATION OF PERSONNEL	Revision: 2.0 Revision Date: 05/01/02

3.0 PROCEDURE: ORIENTATION OF PERSONNEL cont'd

The employee's supervisor is informed and the new employee is provided with instructions on when and where to report.

Uniforms and safety equipment are issued at job site upon employees' arrival.

The payroll information from the confidential folder is sent to the payroll department.

4.0 RELATED DOCUMENTATION

- Casual Labor Form
- Job Descriptions Manual
- Employment Orientation Checklist
- Policy and Procedure Manual
- Employee Handbook
- New Employee Payroll Information Form
- Status Change Form
- W4 and I9 Forms
- Release of Information
- Confidential Employee History Folder
- Mission Statement/Quality Policy
- Quality Objectives Sheet
- Employee Referral Form

5.0 AMENDMENT HISTORY

Date	Revision No.	Revision
07/03/02	1.0	Original
05/01/02	2.0	Upgraded to ISO 9001:2000/ISO 14001:1996

Name: Mr. J. McManus	Signature:
Title: Corporate Vice President	
Name: Sonjia Carpenter	Signature:
e: Human Resources Manager	

<p align="center">UNIBAR Maintenance Services, Inc. Meter-Reading</p> <p align="center">Meter-Reading Operating Procedures</p>	<p align="center">Procedure Number: MOP-04-01</p>
	<p align="center">Page Number: 1 of 3</p>
<p>TITLE: BIDDING/PROPOSAL AND DEVELOPMENT-METER READING SERVICES</p>	<p>Revision: 2.0 Revision Date: 7/1/02</p>

1.0 PURPOSE

The purpose of this procedure is to standardize the way in which bidding and proposal documentation is developed for meter reading and related type proposal contracts.

2.0 RESPONSIBILITIES

The Vice President of Sales and Marketing with direction from the Corporate Vice President is responsible for the development of proposal and bid documentation.

3.0 PROCEDURE: BIDDING/PROPOSAL DEVELOPMENT

Upon receiving an invitation to bid in the form of a request for quotation (RFQ) or request for proposal (RFP), the Vice President of Sales and Marketing records the date and time the request is due onto the sales calendar. The Vice President of Sales and Marketing makes two or three working copies of the request and the original is filed into a pending job file.

The Vice President of Sales and Marketing and/or Corporate Vice President closely scrutinizes the request for comprehension of all requirements necessary to complete the bid and submit the proposal. The Vice President of Sales and Marketing contacts the requester for any clarification of the requirements.

The cross-functional team gathers information on the physical characteristics of the work route under proposal. Any remaining proposal requirement issues are resolved at this time.

The Vice President of Sales and Marketing will reviews previous proposals, which would be similar in scope and selects one on which to base the new proposal.

The Vice President of Sales and Marketing develops a Draft of Proposal, reviews it and a final revision is prepared. The final revision of the Draft of Proposal is saved.

UNIBAR Maintenance Services, Inc. Meter-Reading Meter-Reading Operating Procedures	Procedure Number: MOP-04-01
	Page Number: 2 of 3
TITLE: BIDDING/PROPOSAL AND DEVELOPMENT-METER READING SERVICES	Revision: 2.0 Revision Date: 7/1/02

3.0 PROCEDURE: BIDDING/PROPOSAL DEVELOPMENT cont'd

The Vice President of Sales and Marketing creates the proposal text and adds the specific characteristics of the work effort which are then entered into the proper computer spreadsheet for determination of labor hours, staffing needs, and cost budget. The work-loading and budget summaries are utilized to determine the pricing as quoted in the pricing of the proposal.

The Vice President of Sales and Marketing and/or the Corporate Vice President and Vice President of Finance and Administration review the proposal output for feasibility.

The Vice President of Sales and Marketing or Corporate Vice President signs the approved proposal. The Vice President of Sales and Marketing writes a cover letter if appropriate, gives the proposal final review, and it is printed onto Company letterhead. All necessary attachments are added and the proposal is bound and prepared for delivery. The proposal is delivered to the potential customer based upon time constraints.

4.0 RELATED DOCUMENTATION

- Request for Quotation/Proposal (RFQ/RFP)
- Sales Calendar
- Proposal
- DAOPOA computer 5 spreadsheet

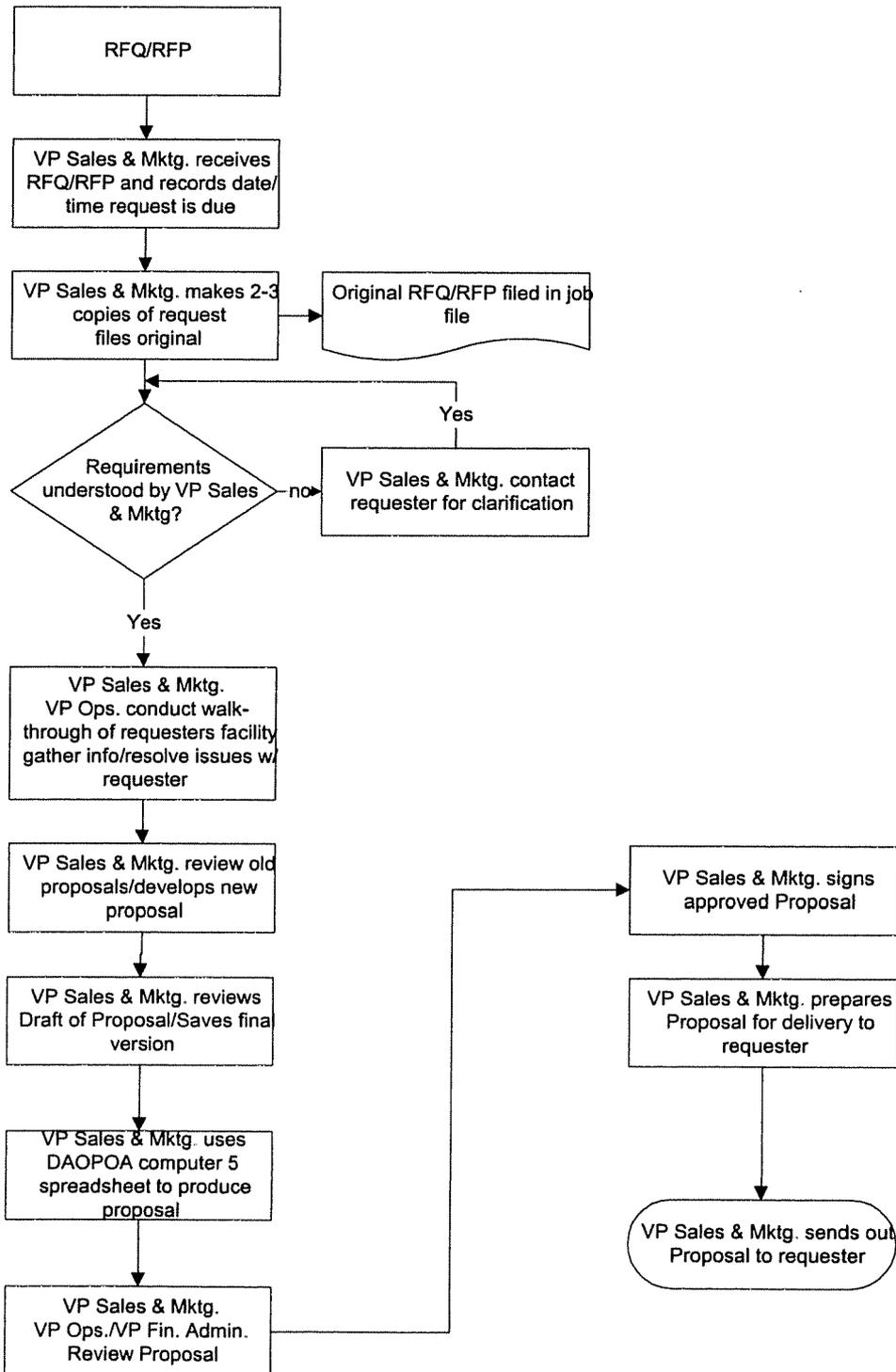
UNCONTROLLED
DOCUMENT

5.0 AMENDMENT HISTORY

<u>Date</u>	<u>Revision No.</u>	<u>Revision</u>
9/17/97	1.0	Original
3/22/00	1.1	Streamlined procedure
9/27/02	2.0	Upgrade to ISO-9001-2000

Name: Mr. J. McManus Title: Corporate Vice President	Signature:
Name: Katherine Luckett-Watson Title: V.P. Sales and Marketing	Signature:

UNIBAR Maintenance Services, Inc. Meter-Reading Meter-Reading Operating Procedures	Procedure Number: MOP-04-01
	Page Number: 4 of 3
TITLE: BIDDING/PROPOSAL AND DEVELOPMENT-METER READING SERVICES	Revision: 2.0 Revision Date: 7/1/02



UNCONTROLLED DOCUMENT

UNIBAR Maintenance Services, Inc. Meter-Reading	Procedure Number: MOP-04-03
	Page Number: 1 of 2
Meter-Reading Operating Procedures	
TITLE: PLANNING AND PROVIDING METER-READING SERVICES	Revision: 2.0 Revision Date: 05/01/02

1.0 PURPOSE

The procedure describes the process of planning and providing meter-reading services to meet/exceed the customer's requirements.

2.0 RESPONSIBILITIES

General Manager is responsible for the overall execution of this procedure.

Division Manager and Assistant Division Manager are responsible for planning meter-reading activities at the job site.

Employees are responsible for carrying out meter-reading activities as per this procedure.

3.0 PROCEDURE: PLANNING AND PROVIDING METER-READING SERVICES

Planning Meter-Reading Services: The Division Manager and/or Assistant Division Manager will plan the daily activities as follows:

1. Assign daily work assignment i.e. handheld, maps and keys, as required.
2. Record attendance i.e. absence, tardiness.
3. Adjust work assignment based on attendance or customer requests.
4. Make a record of the work and personnel in the field via the Route Assignment Sheet.
5. Review and create preliminary Route Assignment Sheet for following day. Load following day's work and prepare final Route Assignment Sheet.

Providing Meter-Reading Services: The employee will carry out the following activities:

1. Report to site with uniform, i.d. badge and safety equipment.
2. Pick up handheld computer for daily routing and gas wand, if applicable.
3. Verify map route against handheld; keys etc., if applicable.
4. Go to route. Sign into handheld with i.d. code.
5. Proceed to each business/home on route obtaining meter reads and verifying meter number into handheld or obtain meter read via automated means. Reset and re-seal the meter, as required.
6. Verify route assignment is completed in handheld.
7. Return to job site.
8. Fill out Daily Route Report with details of work.
9. Turn in Daily Route Report, handheld, gas wand (if applicable), keys, map etc.
10. Fill out Time Sheet, hours and mileage.

UNCONTROLLED
DOCUMENT

UNIBAR Maintenance Services, Inc. Meter-Reading Meter-Reading Operating Procedures	Procedure Number: MOP-04-03
	Page Number: 2 of 2
TITLE: PLANNING AND PROVIDING METER-READING SERVICES	Revision: 2.0 Revision Date: 05/01/02

11. Division Manager and/or Assistant Division Manager will record Daily Route Report and upload information off the handheld, and verify that employees have returned equipment.
12. Division Manager and/or Assistant Division Manager will review the employee's work performance e.g. read accuracy, skip percentage via the Meter Reader Performance Review, at a minimum of once per year.

Customer Property: Customer property (e.g. handheld, gas wand, mobile data terminal, cell phone) shall be used as per contract specifications. Upon receipt of customer property, it will be logged onto the Customer Property – Inventory Control Sheet.

5.0 RELATED DOCUMENTATION

- Route Assignment Sheet
- Daily Route Report
- Time Sheet
- Customer Property – Inventory Control Sheet
- Meter Reader Performance Review

UNCONTROLLED
DOCUMENT

6.0 AMENDMENT HISTORY

Date	Revision No.	Revision
05/01/02	2.0	Upgrade to ISO 9001:2000/ISO 14001:1996

Approval

Name: Mr. J. McManus Title: Corporate Vice President	Signature:
Name: Dennis Millard Title: General Manager	Signature:

LOUISVILLE GAS AND ELECTRIC COMPANY

CASE NO. 2005-00398

Response to First Data Request of Commission Staff Dated 11/2/05

Question No. 5

Responding Witness: Butch Cockerill

- Q-5. Explain in detail LG&E's procedures to prevent, detect, and correct meter reading errors by its meter readers.
- a. Is a gas meter reader trained to recognize the difference between a painted glass and one with moisture in the glass?
 - b. Is there a reporting difference between the two occurrences?
 - c. When the glass on the subject meter was replaced on March 31, 2005, was there any report of either paint or moisture observed on the glass?
- A-5. LG&E has two systems that help detect and prevent errors. The Itron Integrator system and the CIS system. Both systems' software have built in tolerances/parameters that flag or kick out a warning message/report if out of line. We track meter reading errors on a daily basis. Once the readings are sent to CIS for billing, an Auditor reviews the exceptions. Sendbacks will be generated for further investigation. A current listing of No Read Codes, Read Codes, and Meter Condition Codes is attached hereto (dated 11/10/05). A listing of the Meter Condition Codes that were in effect in February, 2005 are also attached (dated 12/13/04).
- a. Yes.
 - b. Yes, there is a difference in the reporting procedures for these two occurrences. In February 2005, the Meter Condition code used was "glass obstruction," which shows up in the CIS system as 'GP" (glass painted). By using this code, the meter reader is requesting that the glass on the meter be replaced due to difficulty in reading the meter. The meter reader could have also entered Meter Condition code "moisture in glass" as he did in September of 2005. The "glass obstructed" meter condition code has since been deleted and is replaced with "damage/glass broken." There is also a NO READ code for "glass painted," if the meter reading cannot be obtained..
 - c. There is no record of whether paint or moisture was observed on the glass when the glass was replaced on March 31, 2005.

11/10/05
15:50:49

THE INTEGRATOR (5.0.6 PRODUCTION)
S-143 NO-READ REASON CODE MAINTENANCE

K043
5113

CODE	DESCRIPTION	RELOAD	HH/IND
01	DOG	N	Y
02	LOCKED DOOR	N	Y
J3	ABSENT/NO ANSWER	N	Y
04	METER REMOVED	N	Y
05	CUST DENIED ACCESS	N	Y
06	VACANT	N	Y
07	BLOCKED/DEBRIS	N	Y
08	BAD ROAD	N	Y
09	WEATHER	N	Y
10	WRONG ROUTE	N	Y

Attachment to Question No. 5
Page 1 of 17
Cockerill

(A)DD, (C)HANGE, (D)ELETE, (I)NQUIRE =>

CODE =>

DESCRIPTION =>

DESCRIPTION =>

RELOAD NO READ TO HANDHELD =>

LOAD CODE TO HANDHELD =>

11/10/05
15:50:53

THE INTEGRATOR (5.0.6 PRODUCTION)
S-143 NO-READ REASON CODE MAINTENANCE

K043
5113

CODE	DESCRIPTION	RELOAD	HH/IND
11	CUT WEEDS/BUSHES	N	Y
2	CUST CALLS IN READ	N	Y
13	KEY WON'T WORK/BROKE	N	Y
14	INSTRUCTIONS NA	N	Y
15	GLASS PAINTED	N	Y
16	MTR DAMAGED	N	Y
17	INDEX DAMGD/MOISTURE	N	Y
18	FLOODED	N	Y
19	MUD CONSTRUCTION	N	Y
20	CANT TAKE CUST RD	N	Y

Attachment to Question No. 5
Page 2 of 17
Cockerill

(A)DD, (C)HANGE, (D)ELETE, (I)NQUIRE =>

CODE =>

DESCRIPTION =>

DESCRIPTION =>

RELOAD NO READ TO HANDHELD =>

LOAD CODE TO HANDHELD =>

11/10/05
15:50:55

THE INTEGRATOR (5.0.6 PRODUCTION)
S-143 NO-READ REASON CODE MAINTENANCE

K043
5113

CODE	DESCRIPTION	RELOAD	HH/IND
21	KEY MISSING/SERV DEP	N	Y
22	WINDOW DIRTY/COVERED	N	Y
23	FLEAS	N	Y
24	BLANK DISPLAY	N	Y
25	GATE LOCKED	N	Y
26	ALARM ON	N	Y
27	DR STUCK/OFF HINGES	N	Y
28	BAD STEPS	N	Y
29	BEEES/WASPS	N	Y
30	SEWAGE	N	Y

Attachment to Question No. 5
Page 3 of 17
Cockerill

(A)DD, (C)HANGE, (D)ELETE, (I)NQUIRE =>

CODE =>

DESCRIPTION =>

DESCRIPTION =>

RELOAD NO READ TO HANDHELD =>

LOAD CODE TO HANDHELD =>

11/10/05
15:50:58

THE INTEGRATOR (5.0.6 PRODUCTION)
S-143 NO-READ REASON CODE MAINTENANCE

K043
5113

CODE	DESCRIPTION	RELOAD	HH/IND
31	OFF AT MTR	N	Y
98	SUPERVISOR ESTIMATE	N	N

Attachment to Question No. 5
Page 4 of 17
Cockerill

(A)DD, (C)HANGE, (D)ELETE, (I)NQUIRE =>
CODE =>
DESCRIPTION =>
DESCRIPTION =>
RELOAD NO READ TO HANDHELD =>
LOAD CODE TO HANDHELD =>

END OF NO-READ REASON CODE TABLE REACHED

11/10/05
15:49:39

THE INTEGRATOR (5.0.6 PRODUCTION)
S-145 METER CONDITION CODE MAINTENANCE

K043
5113

Attachment to Question No. 5
Page 5 of 17
Cockerill

CODE	DESCRIPTION
00	NOT IN USE
01	SEAL CUT/MISSING
02	STOPPED METER
03	TAMPERING
04	DAMAGED/GLASS BROKE
05	DEMAND WON'T RESET
06	BULB OUT
07	CT CABINET DAMAGED
08	MOISTURE IN GLASS
09	MTR RUNNING BACKWARD

(A)DD, (C)HANGE, (D)ELETE, (I)NQUIRE =>

CODE =>
DESCRIPTION =>
=>

11/10/05
15:50:13

THE INTEGRATOR (5.0.6 PRODUCTION)
S-145 METER CONDITION CODE MAINTENANCE

K043
5113

Attachment to Question No. 5
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Cockerill

CODE	DESCRIPTION
10	G BOX DAMAGED
11	MTR UPSIDE DOWN
12	LOW WIRE
13	GAS ODOR CALL IN
14	METER LOOSE
15	PIPE IN CONCRETE
16	MTR NEEDS PROTECTION
17	TRIM TREE
18	MTR TOUCHING GROUND
19	TREE IN LOOP

(A)DD, (C)HANGE, (D)ELETE, (I)NQUIRE =>
CODE =>
DESCRIPTION =>
=>

11/10/05
15:50:16

THE INTEGRATOR (5.0.6 PRODUCTION)
S-145 METER CONDITION CODE MAINTENANCE

K043
5113

Attachment to Question No. 5
Page 7 of 17
Cockerill

CODE	DESCRIPTION
20	CHGD INDEX
21	RUSTY PIPES
22	NO ACCESS
23	MULT MTR LOOP NO TAG
24	RTN KEY INACTIVE
25	RTN KEY CUST REQ
26	RTN KEY MTR O/S
27	ER001000
28	ER000010
29	ER111111

(A)DD, (C)HANGE, (D)ELETE, (I)NQUIRE =>

CODE =>
DESCRIPTION =>
=>

11/10/05
15:50:19

THE INTEGRATOR (5.0.6 PRODUCTION)
S-145 METER CONDITION CODE MAINTENANCE

K043
5113

Attachment to Question No. 5
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Cockerill

CODE	DESCRIPTION
30	ER000007
31	ER000009
32	ER000001
33	ER010000
34	ER007000
35	DIAG 1
36	DIAG 2
37	DIAG 3
38	DIAG 4
39	DIAG 5

(A)DD, (C)HANGE, (D)ELETE, (I)NQUIRE =>
CODE =>
DESCRIPTION =>
=>

11/10/05
15:50:21

THE INTEGRATOR (5.0.6 PRODUCTION)
S-145 METER CONDITION CODE MAINTENANCE

K043
5113

CODE	DESCRIPTION
40	REATTACH MTR BASE
41	AMR NOT NEEDED
42	WRONG ROUTE
43	READ CORRECT
44	SERVICE PROBLEM
45	ERROR 4

Attachment to Question No. 5
Page 9 of 17
Cockerill

(A)DD, (C)HANGE, (D)ELETE, (I)NQUIRE =>
CODE =>
DESCRIPTION =>
=>

END OF METER CONDITION CODE TABLE REACHED

11/10/05
15:50:34

THE INTEGRATOR (5.0.6 PRODUCTION)
S-141 READ CODE MAINTENANCE

K043
5113

Attachment to Question No. 5
Page 10 of 17
Cockerill

CODE	DESCRIPTION
A	READ WRONG PREVIOUS
B	RD FM DIST/FNC/BNCLR
C	FND UNLCKD/LEFT UNLC
D	REPAIR STEPS
E	SPDRDR READ
K	OUT OF CITY
M	SHUTOFF DELINQUENT
P	GLASS OUT
Q	RD CORRECT/RWPS
R	POOL HEATER

(A)DD, (C)HANGE, (D)ELETE, (I)NQUIRE =>
CODE =>
DESCRIPTION =>

11/10/05
15:50:38

THE INTEGRATOR (5.0.6 PRODUCTION)
S-141 READ CODE MAINTENANCE

K043
5113

Attachment to Question No. 5
Page 11 of 17
Cockerill

CODE	DESCRIPTION
S	NEW PARTY
J	NO LOAD
J	A/C ON/OFF
1	NO INFO
2	HEAT ON/OFF
3	OVER/UNDER ESTIMATED
4	SEASONAL USER
5	VACANT/OCUPD/FR SALE
6	CAN'T SEE MTR #
8	CUSTOMER READ

(A)DD, (C)HANGE, (D)ELETE, (I)NQUIRE =>
CODE =>
DESCRIPTION =>

11/10/05
15:50:41

THE INTEGRATOR (5.0.6 PRODUCTION)
S-141 READ CODE MAINTENANCE

K043
5113

CODE	DESCRIPTION
9	READ THRU WINDOW

Attachment to Question No. 5
Page 12 of 17
Cockerill

(A)DD, (C)HANGE, (D)ELETE, (I)NQUIRE =>
CODE =>
DESCRIPTION =>

END OF CODE TABLE REACHED

12/13/04
10:52:49

THE INTEGRATOR (5.0.6 PRODUCTION)
S-145 METER CONDITION CODE MAINTENANCE

K037
5113

Attachment to Question No. 5
Page 13 of 17
Cockerill

CODE	DESCRIPTION
00	RUSTY
01	SEAL BROK/MISS
02	STOPPED METER
03	TAMPERING
04	DAMAGED
05	GLASS BROKEN
06	TEST DEMAND
07	PIPE IN CONCRETE
08	MTR NEED PROTECTION
09	CHANGED INDEX

(A) DD, (C) HANGE, (D) ELETE, (I) NQUIRE =>
CODE =>
DESCRIPTION =>
=>

12/13/04
10:52:53

THE INTEGRATOR (5.0.6 PRODUCTION)
S-145 METER CONDITION CODE MAINTENANCE

K037
5113

CODE	DESCRIPTION
10	G BOX DAMAGED
11	TRIM TREE
13	GLASS OBSTRUCTED
14	MOISTURE IN GLASS
15	MTR UPSIDE DOWN
16	E WTR HTR OFF
17	BULB OUT
19	GAS ODOR/CALL IN
20	MTR RUNNING BACKWARD
21	MTR TOUCH GRND

Attachment to Question No. 5
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Cockerill

(A)DD, (C)HANGE, (D)ELETE, (I)NQUIRE =>
CODE =>
DESCRIPTION =>
=>

12/13/04
10:52:57

THE INTEGRATOR (5.0.6 PRODUCTION)
S-145 METER CONDITION CODE MAINTENANCE

K037
5113

CODE	DESCRIPTION
22	TREE IN LOOP
23	RTN KEY/MTR OUTSIDE
24	RTN KEY/CUST REQUEST
25	RTN KEY/LCK CHG
26	REPAIR CELLAR DOOR
27	REPAIR LOCK
28	METER LOOSE
29	RTN KEY INACTIVE
31	J LCK NEEDS REM
32	REPAIR STEPS

Attachment to Question No. 5
Page 15 of 17
Cockerill

(A) DD, (C) HANGE, (D) ELETE, (I) NQUIRE =>
CODE =>
DESCRIPTION =>
=>

12/13/04
10:52:59

THE INTEGRATOR (5.0.6 PRODUCTION)
S-145 METER CONDITION CODE MAINTENANCE

K037
5113

CODE	DESCRIPTION
34	BEEES/WASPS
35	ER001000
36	ER000010
37	ER111111
38	ER000007
39	ER000009
40	ER000001
41	ER010000
42	ER007000
43	DIAG 1

Attachment to Question No. 5
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Cockerill

(A)DD, (C)HANGE, (D)ELETE, (I)NQUIRE =>
CODE =>
DESCRIPTION =>
=>

12/13/04
10:53:02

THE INTEGRATOR (5.0.6 PRODUCTION)
S-145 METER CONDITION CODE MAINTENANCE

K037
5113

Attachment to Question No. 5
Page 17 of 17
Cockerill

CODE	DESCRIPTION
44	DIAG 2
45	DIAG 3
46	DIAG 4
47	DIAG 5
48	NO ACCESS
49	MULT MTR LP NO TAG

(A)DD, (C)HANGE, (D)ELETE, (I)NQUIRE =>
CODE =>
DESCRIPTION =>
=>

END OF METER CONDITION CODE TABLE REACHED

LOUISVILLE GAS AND ELECTRIC COMPANY

CASE NO. 2005-00398

Response to First Data Request of Commission Staff Dated 11/2/05

Question No. 6

Responding Witness: Butch Cockerill

- Q-6. Complainant alleged that the meter “jumped” upon rollover from 9999 (end of scale) to 1000 when it should have “re-set” to 0000 (beginning of scale). In item 3(1) of its answer, LG&E states that, in order for that to occur, the index on the meter must be damaged in some way.
- a. What is the index on the meter?
 - b. Provide the field personnel report referenced by LG&E.
 - c. Has LG&E knowledge of any reported meter “jumps” with this type of meter due to moisture within the meter?
 - d. Has the meter in question been tested at LG&E’s lab?
 - (1) If yes, what were the results of the test?
 - (2) If no, has testing of the meter been considered? Explain the response.
- A-6.
- a. An index is the mechanical gear driven device which accumulates and displays the number of cubic feet discharged through the meter.
 - b. Please see attached document.
 - c. No.
 - d. Yes. Please see response to PSC Item 2(d).
 - (1) When the meter was tested prior to installation, the “as left” average was -0.400, Open proof was -.300, and Check proof was -.500. A copy of the screen print of these results is attached hereto. LG&E has offered to test the meter following Mr. Espinosa’s concerns, but this offer has been declined by Mr. Espinosa.

lgemvs.rsf - Reflection - IBM 3270 Terminal

FILE Edit Connection Setup Macro Window Help

OS/3270 SERVICE WORK REPORT - INQUIRE 11/08/05 13:02:56

NO 612070 WORK TYPE PCU OPEN TO 480 ASSIGNED 2005-03-31 05.42.17

LEAK APAGE _ FED LAND _ SYSTEM _ OCCURRED ON _ PART _ CAUSE _
STATION _
TANK _ JOURNAL SEPT _ HIT _ CUSTOMER SER _ UNIT _
HOUSE LINE _

WIND DIR _ WIND DEPTH _ ALT _ DIST _ PIT DEPTH _ DIA _
HAND BY INSTALLED BY COMPANY _
CUSTOMER _

1 ISV
DATE 2005-03-31 ARRIVED 11.45.00 DEPARTED 12.00.00
WIND OFF _ WIND ON _ WIND HOURS HR 15
WIND DIR Y WIND DIR I WIND ID 0070 - Name Not Found
REMARKS CHANGED GLASS. MTR#532871X1248

WORK REPORT DISPLAYED SCREEN 1 OF 1

PF1 PF3 PF4 PF13 PF14 PF15

TI > 0 24,71

24,71 IBM 3270 Terminal - lgemvs via Telnet NUM

Meter SubSystem - Production

File Admin Security Gas Electric Transformer Misc Reports GoTo Window Help

Exit Help New First Previous Next Last Find Print Close All Delete Save

Maintenance - Gas Test

Co. Number: 532871 Mfg. Number: 532871 Last Install Year: 1986 Location:

Reason: NEW METER TEST Six Code: I INSTALLED

In Test

Check & Test Date: 01/01/1900 Prover: In Reading:

Size Code: 015 AL425 00425 Test Code: XXX NOT ASSIGNED

Stuck/Fail/Notest: Open Proof: .000 Check Proof: .000 Over 2% Fast: N

Average As Found: 0 Junk: No Retire Code: 000 NOT ASSIGNED

In Test Comments:

Out Test

Check & Test Date: 10/05/1996 Prover: 043 3548 Out Reading: 000000

Average As Left: -0.400 Open Proof: -.300 Check Proof: -.500

Repair Code: A OK METER Repairman: 043 0000

Out Test Comments:

Leak Test: Yes Hi/Low Test: Yes

Updated By: GMDAS on: 10/05/1996

Ready